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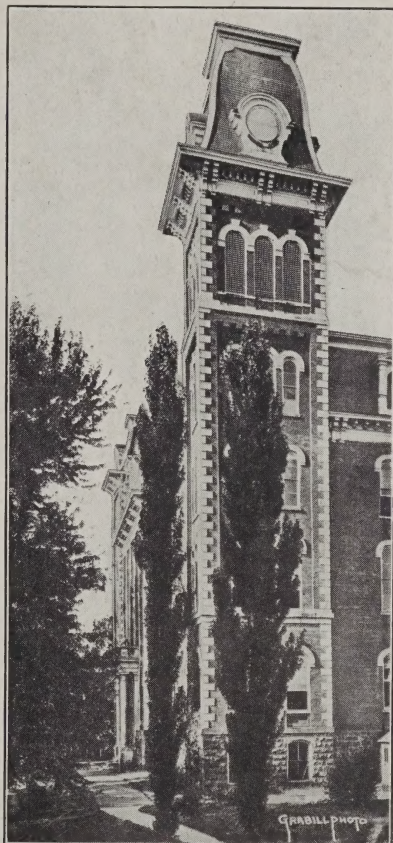
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# UNIVERSITY OF ARKANSAS BULLETIN

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**Correspondence Study Department**

**GENERAL EXTENSION DIVISION**

**FAYETTEVILLE, ARKANSAS**

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**University of Arkansas**  
**A Public Service Institution**

**ANNOUNCEMENT**  
**OF**  
**CORRESPONDENCE COURSES**  
**IN THE**  
**General Extension Division**  
**University of Arkansas**



**Fayetteville, Arkansas**

## **DEPARTMENT OF CORRESPONDENCE STUDY**

### **OFFICERS OF ADMINISTRATION**

John Clinton Futrall, A. B., M. A., President of the University.

Bert C. Riley, A. B., B. S. A., Director of General Extension Division.

Evangeline Pratt, A. B., Secretary of Correspondence Study Department.



# CORRESPONDENCE STUDY DEPARTMENT

Correspondence study has been designed to give everyone who cannot attend the University of Arkansas an opportunity to get some of the advantages for instruction and culture which may be a help to him. Through correspondence study the University offers everyone an excellent opportunity to obtain a degree. However, many courses for which no college credit is given, but covering practically the same ground as the regular correspondence courses are offered to those who wish to advance in their vocation or spend their leisure hours reading for culture. Any of the courses listed may be taken as reading courses, in which case no prerequisites will be required and no credit received.

**For Whom Intended.**—Correspondence Study work is primarily intended to help the following classes:

1. Thoughtful men and women, desirous of more education, but unable to avail themselves of the great advantages of residence study at the University.
2. The large body of young people who are ambitious to have a college education, but who are unable to attend the University for the entire four years of a college course.
3. Young men and women of the smaller towns and rural communities of the State who have at home no opportunity to meet the entrance requirements of the University, and who find it necessary and an advantage to make good any deficiencies by correspondence.
4. Teachers of the public schools of the State who have had little normal school work or college training and who wish to take this means of preparing themselves for better places in their profession.
5. Club women who wish to pursue a systematic course of study.
6. Professional and business men who wish to supplement their training.
7. Mechanics, artisans, draughtsmen and others who wish to pursue vocational studies in order to increase their efficiency.
8. Farmers desirous of more knowledge of the great problems of agriculture.
9. Ministers who are anxious to enlarge their view and know more of subjects that will help them in their great work.
10. All those who wish to foster in their lives the element of culture by keeping abreast of the social movements of the time.

## WORK OFFERED

**High School Work.**—For students who reside in rural communities or small towns that do not support first-class high schools, or persons who for any reason find it impossible to attend high school, correspondence courses

are offered in preparation for entrance to college and the professional schools. The young men and women of Arkansas who are going out as active workers without the advantages of college training will also find these courses of great value, for it scarcely needs to be pointed out today that success in life is hardly possible without the breadth and culture acquired from courses above the common school.

**Work for College Credit.**—A large proportion of the courses offered by the University may be taken by correspondence for college credit. No degree will be conferred on any one who does not take at last one year's work in residence at the University. If only one year's work is done in residence it must be the final year of the course.

Any student taking correspondence courses which he expects to offer in satisfaction of the requirement for a University degree must make this fact known at the time of enrollment.

### PROCEDURE AND ADMINISTRATION

**How to Register for Courses.**—Application blanks will be sent free of charge to all applicants who wish to enroll in any course offered by the General Extension Division of the University. These application blanks should be carefully filled out and returned to the General Extension Division with the fee required.

**Instruction.**—Upon receipt of the fee for any course, the first lesson in that course will be mailed to the student and the proper directions for filling out and returning the lesson sheet will be sent in the same mail. A reasonable length of time will be allowed for completing each assignment before the student will be expected to send back his report of the lesson. The lessons and reports, once corrected, will be returned to the student with such suggestions as the instructor may deem advisable. The number of assignments, or lessons, for the various courses will vary with the subject matter of each course. The number of credit hours to be obtained by completing each course will be found in the description of the course. The term "hour" means the equivalent for one recitation period of one hour per week for one term. Thus, a three-hour course at the University means one in which the class recites three hours a week for a term, and the college credit given is three hours.

**Examinations.**—As a rule, examinations are optional with the student. They are required, however, of all students seeking credit, either entrance or college, and examinations for credit must be taken at the University or under conditions named by the University. These conditions will never entail a hardship upon the student.

**Expenses.**—A fee of \$6 will be charged for each term course. The fees are non-returnable.

### REGULATIONS

1. Students may enroll for correspondence courses at any time.



2. The average student is expected to complete a term course in from three to four months, but he has the privilege of completing any such course in less than three months, if he can devote all his time to it. A term course must be completed within twelve months from the time of registration.

3. Not more than two courses may be taken by correspondence at one time.

4. College credit is granted only to students who have met the entrance requirements of the University. For unconditional entrance a student must present fifteen units of high school work. A unit is the amount of credit given for a high school course of study pursued for a year with daily recitations of 45 minutes each; it is further defined as approximately one quarter of a full year's work in high school.

5. Students who enroll in correspondence study courses for a university degree must comply with all the requirements of the college or school in which such degree is sought.

6. A student doing full residence work in any institution of learning, either high school or college, will not be permitted to register for correspondence work during the regular session of that institution.

### SYMBOLS

Courses listed with one number, as 140e, are term courses; two numbers written 140e, (141e) indicate that the course continues for two terms. Every additional number indicates an additional term. Courses numbered in like manner 140e (141e) (142e) are continuous courses and credit can not be had on any single term of same until the entire course is completed. Correspondence courses given for credit are the same as the courses given in residence and they are numbered the same as in the University Catalog except that the letter "e" is added in the correspondence study bulletin to indicate that the course is a correspondence study course.

## COURSES IN CORRESPONDENCE STUDY

Many courses offered by the College of Arts and Sciences are required or may be taken as electives for credit in the College of Agriculture or College of Engineering. All courses in the College of Arts and Sciences count as electives in the College of Education.

### College of Arts and Sciences

#### ANCIENT LANGUAGES

11e (12e) (13e). **Elementary Latin.** Though intended for a preparation for further study of Latin, this course is planned largely for those interested in English or modern languages. Nine hours credit or one entrance unit.

14e (15e) (16e). **Caesar.** Four books. Exercises in Latin composition. Prerequisite: Latin 13e. Nine hours credit or one entrance unit.

131e. **Prose Composition.** Elementary course. Required of all students in Latin 141e (142e) (143e) or 144e (145e) (146e) who have not passed its equivalent. Three hours credit or one-third entrance unit.

141e (142e) (143e). **Cicero's Speeches and Letters.** Six speeches and selections from the letters; a review of forms and syntax; an introduction to the use of good English in translation. No credit will be given for this course until course 131 has been passed. Twelve hours credit.

144e (145e) (146e). **Vergil's Aeneid.** Due attention will be given to forms, syntax, and prosody, but the chief aim will be to enable the student to arrive at an appreciation of the poem as literature. Prerequisite: three units in Latin. Twelve hours credit.

147e. **Cicero's Essays.** A study of *De Amicitia*, with a thorough review of forms and syntax at the beginning of the course. Prerequisite: Latin 131e, Latin 143e, or Latin 146e. Four hours credit.

148e. **Livy.** Selections from Livy, Books XXI-XXII. Open to students who have had four units in Latin. Four hours credit.

149e. **Latin Comedy.** The *Phormio* of Terence. Open to students who have had four units in Latin. Four hours credit.

903e. **Masterpieces of Latin Literature.** A bird's eye view of the whole field of Latin literature and then in succession various parts of that field for a more intensive and interesting study are given. Some of the parts are: drama, early and late, especially comedy; essays, literary and biographical, from Cicero's day on; public orations; private letters, opening the life of the day to us as on a moving film; history; lyric and epic poetry, and occasional verse; satire and humor; philosophy. Readings from translations are chosen with the idea of illuminating the life of the Romans giving the best of their style and entertaining as well as instructing the modern reader. The course may be divided and a special part or parts chosen for more careful study. Throughout, the influence of the Latin writers on subsequent literature is emphasized. No credit.

131e (132e). **Elementary Greek.** Assuming on the part of the student a fair knowledge of Latin grammar, the essentials of Greek form and syntax are given rapidly, with much illustrative reading and comparatively little drill. A course designed for students who have had no Greek before and who wish to begin a study of the language. Six hours credit.

133e. **Xenophon or New Testament.** Several books of the *Anabasis* or *Luke* and *Acts*, as the student chooses. Prerequisite: Greek 131 (132). Three hours credit.

543e (544e). **Greek Literature in Translation.** The aim of this course is to give students of any literature a knowledge of the form and content of the literature that has influenced most widely all others. In the first quarter epic



and lyric poetry will be studied; in the second, prose and drama. Eight hours credit.

**902e. Greek and Roman Mythology.** The myths which constituted the religion and filled the lives of the ancients have become a large part of our literary background. There can be no intelligent reading of modern poetry and prose in any language without at least an outline knowledge of these tales. This course takes in succession the most interesting and significant of these myths, works out the details as given in the Greek and Latin writers, and follows them through English literature. Some attention is given to "rationalizing interpretations" of these stories and their religious aspect, but in general the study is purely literary and gives an excellent survey of English literature as well. No credit.

**904e. Masterpieces of Greek Literature.** While few can find the time to master the language and read even a portion of the great body of Greek literature in the original it is entirely possible to profit by the many good translations now available to study the thought and literature that have most widely affected all others. The first part, as here arranged, deals with the epics and lyric poets from Homer to Pindon and Bacchylides; the second, with some of the greatest prose ever written, that of the Greek historians, orators, and philosophers, from Herodotus to Demosthenes and Aristotle; the third, with the flower of Greek literature, the drama, including the three great tragedians and Aristophanes. At all points the background of history and private life is included in the study, and the relation of this life and literature to our own is emphasized. The "modernness" of the ancient Greeks, the similarity of our problems and aspirations throughout the ages, is an eye-opening feature of this study. Cheap editions are available for most of the translations and one main textbook is used as a guide. No credit.

**906e. Studies in Greek Drama.** This course aims to work out for those acquainted with either the language or literature of the Greeks, some of the following points: the origin of drama in general and in Greece; the technique of the presentation of plays on the ancient stage; the so-called "unities" of time, place, and action; matters of dramatic motives and devices in individual plays; a comparison of three tragedians in their treatment of one theme; a comparison of modern and Greek treatment of a similar theme; the direct effect of Greek drama in general and particular plays, on modern playwriting; modern production of Greek plays. No credit.

## BIOLOGY

**908e. Nature Study.** A course designed especially for teachers who expect to teach Nature Study in the grades. Only those aspects of nature are dealt with which may be readily studied without the aid of laboratory equipment. The work is wholly observational. In addition to enlarging the student's acquaintance with nature, methods of presenting Nature Study work are given a prominent place. No credit.

## ECONOMICS AND SOCIOLOGY

540e (541e). **Principles of Economics.** The fundamentals of economic science and a preliminary survey of economic relations as organized by private interests and public agencies. Eight hours credit, or one entrance unit.

543e. **Money and the Price System.** A study of the relation of value to price; price making process; barter and the evolution of money; development of the system of metallic and paper currency now in use in the United States; pecuniary organization and the business cycle. Prerequisite: Economics 540 (541) or 520 (521). Four hours credit, or one-half entrance unit.

546e. **Banking Principles and Practices.** A study of National banks and the Federal Reserve system; that banking systems; trust companies and private bankers; a practical study of organization and operation. Prerequisite: Economics 544. Four hours credit.

641e. **Economic History of the United States.** A critical study of the events of our history in the light of economic principles; the trend of past industrial development and the source of present conflicts. Prerequisite: Economics 540 (541). Four hours credit.

642e. **Current Economic Problems.** Using course 641e as a basis, an attempt is made to analyze our present day problems and to get down to the essential issues upon which modern industrial society divides. The significance of property rights, separation of economic classes, social control of industry, and the goal of economic efforts, are the main topics dealt with. Prerequisite: Economics 540 (541). Four hours credit.

547e. **Elementary Sociology.** A study of the antiquity of man; folk-ways and primitive customs; the origin of modern institutions; classification of social activities; social control of individual conduct; the various theories of social progress. Four hours credit.

548e. **Problems in Social Betterment.** An examination into the nature, causes, and treatment of selected social problems, crime, pauperism, mental defects, intemperance, and juvenile delinquency discussed in the light of modern sociological theory. Four hours credit.

520e. **Business Organization and Management.** Individual proprietorship, partnership and cooperation; the process of organizing a business; the economic reasons for growth of trusts and other types of big business organizations. Two hours credit.

521e. **Business Organization and Management.** A continuation of course 520e. Organization for operation and the reaction of forms of organization on efficiency; gradation and interrelation of divisions and departments; departmental responsibility and authority; scientific management as a factor in operating efficiency. Prerequisite: Economics 520. Two hours credit.

430e. **Principles of Agricultural Economics.** A course dealing with the



principles of economics as applied to the concrete problems of rural life; economic organization of the business of farming; the problem of distribution as touching rents and values of lands, farm labor and wages, rates of interest and profits in agriculture. A course designed for all persons identified with rural communities, teachers, merchants, bankers, as well as those who expect to engage directly in farming. Three hours credit.

431e. **Agricultural Selling and Buying.** A course dealing with the practical problems of marketing, credits, labor hiring, purchasing of land and supplies. Special attention is given to cooperative enterprise. Prerequisite: 430 or 540, (541.) Three hours credit.

730e (731e). **Elementary Accounting.** The theory and practice of double-entry bookkeeping illustrating the uses of the fundamental books, the interpretation and classification of accounts, preparation and analysis of statements. Problems and text book assignments. Six hours credit.

740e (741e). **Business Law.** A study of the application of those phases of the law that govern business transactions, such as contracts, agency, negotiable instruments, bailments, insurance, corporations, and the transfer of real and personal property. A study of cases and text book assignments. Eight hours credit.

900e. **Problems in Social Betterment.** A study in nature, causes, and treatment of social problems will necessarily include an examination of the nature of social pathology, of the cause and prevention of crimes, of the causes and relief of pauperism, of charitable and correctional institutions, of the origin and remedies for poverty, of the disorganization of the family and remedies for divorce, for social degeneration and of juvenile delinquency. No credit.

**Outlines and Lectures for Study Clubs.** The Department of Economics and Sociology will willingly cooperate with Christian organizations, civic clubs, labor unions, women's clubs, and communities wishing to give serious consideration to the problems of present day interest. By correspondence, courses can be mapped out for study, and the professor in charge will meet with the club at least once for a lecture and for conferences with the individual members of these organizations on payment of actual traveling expenses.

## ENGLISH

11e (12e). **Entrance Classics.** This course will cover the reading prescribed in the college entrance requirements. It is intended for those who have not studied English literature. One entrance unit.

14e (15e). **American Literature.** An elementary reading course in American literature. It is intended for those who have studied no American literature. One entrance unit.

131e (132e) (133e). **Rhetoric and Composition.** Practice in exposition,



argumentation, description, and narration; drill in expository writing. Nine hours credit.

542e (543e). **English Literature in Outline.** A study of the life and the literature of the English people from Anglo-Saxon times to the close of the nineteenth century. Study of the works of representative authors, reports, and critical essays. Prerequisite: English 131 (132) (133) or 141 (142) (143). Eight hours credit.

631e (632e) (633e). **Types of Literature.** A general reading course in the modern English novel, essay, drama, and poetry. Prerequisite: English 131 (132) (133) or 141 (142) (143). Nine hours credit.

331e (332e) (333e). **English Composition.** A course in technical writing, with some study of scientific and technical articles of various kinds. This course is open only to students in the Colleges of Agriculture and Engineering. Prerequisite: English 131 (132) (133), 141 (142) (143), or 144 (145) (146). Nine hours credit.

537e (538e) (539e). **Newspaper Writing.** For students who expect to take up newspaper work as well as for those who may not make journalism their profession but who wish to have some training in newspaper methods. The work includes a consideration of methods of getting the news, the work of the press associations, writing of news, news values, and practice with assignments. The various forms of news writing are studied, such as the interview, the human interest story, feature stories, reports of speeches and trials, Sunday stories, etc.

Assignment to newspaper stories that must be covered by the student make the course as practical as possible. Students will be expected to obtain practical experience by covering news events in their town. Prerequisite: English 131 (132) (133), 141 (142) (143), or 144 (145) (146). Nine hours credit

521e (522e) (523e). **Newspaper Editing.** Instruction and practice in editing copy, correcting proofs, writing headlines, making up, rewriting, and other details of editing, and in the organization and methods of local, state, and national news gathering. Open to students who have had English (537) (538) (539) or equivalent practical experience. Six hours credit.

905e. **Masterpieces of English Literature.** A general survey of the development of English literature from the time of the Anglo-Saxons to the present time. While some attention is given to the lesser writers the emphasis is placed upon great literary figures, the great makers of English literature. The work begins with the old English poem of Beowulf, and deals in succession with Chaucer, Spencer, Shakespeare, Milton, Dryden, Pope, Gray, Burns, Wordsworth, Coleridge, the romantic poets, Byron, Shelley, and Keats, Scott, Tennyson, Browning and Arnold, Rossetti, Morris, and Swinburne. An attempt is made to make the works of these writers intelligible and interesting to all who care to become acquainted with the greatest names in the history of our literature. No credit.

907e. **Browning and Tennyson.** This course includes some discussion

of the other poets and the nineteenth century, such as Arnold, Rosetti, Morris, and Swinburne, but its chief emphasis is upon the work of Tennyson and Browning. It lists suggested readings of poems and criticisms, and endeavors to aid in an understanding of the mind and acts of these two great poets. Suggestions for interpretation of the more difficult poems are given, and the result of studying the course should be an insight into the fundamental characteristics of nineteenth century poetry. No credit.

909e. **Shakespeare's Plays.** The outlines present plans for the study of the most important of Shakespeare's plays in approximately the order in which they were produced. They thus trace Shakespeare's career and development as a dramatist. Suggestions are given for the study of the plots of the plays, and for the interpretation of the principal characters, such as Hamlet, Macbeth, Othello, Rosalind. The various types of Shakespeare's work are taken up, the characteristics of the romantic comedies, the structure of an Elizabethan tragedy like *Romeo and Juliet* and *Othello*, the historical play like *Henry V* and the dramatized romance like *The Tempest* and *A Winter's Tale*. Some attention is paid to the manner of presenting plays in the time of Shakespeare, the theatre, the construction of the stage, the costuming. Altogether the study program aims to afford a general introduction to the great masterpieces which we associate with the name of Shakespeare. No credit.

9011e. **Present Day Novelists.** The course deals with both English and American novelists who are doing important work at the present time. The studies aim to present both the characteristics of the individual writers and their works, and the relation of the novelist and his work to the present day world. References are furnished to criticisms of the most important contemporary novels, and suggestions are given to help in the study not only of particular books, but of the novel as a great form of literary art. No credit.

9012e. **Present Day Poets.** A few well chosen books will make this course in present day poetry both easy and profitable. It attempts to call attention to the various poets and to point out the poetic schools and their doctrines. Considerable attention is devoted to the newer types of poetry and to the poetic principles on which they are based. No credit.

9013e. **Masterpieces of American Literature.** This course is similar to the one outlined for English literature. It begins with the colonial period and comes down to the present time. The growing independence of American literature is emphasized in the writers since the Civil War. The course tries to show how the expansiveness of the American nation and the idealism of her people have found expression in the work of her writers. No credit.

9014e. **Present Day Dramatists.** *Dickinson's Contemporary Dramatists* is valuable as a text for the carrying out of this program. It contains twenty-one plays from English, Irish, and American playwrights, and introduces some of the most important of the playwrights of Europe. The course suggests methods of study for the plays from both literary and dramatic points of

view. Interesting problems of draamtic workmanship are pointed out and the importance of present day drama in our modern thought is emphasized. No credit.

### FINE ARTS

111e (112e) (113e). **Harmony.** Keys, scales and signatures; simple writing; chords of the seventh and their inversions; altered and augmented chords modulation. Three hours credit.

211e (212e) (213e). **Advanced Harmony.** Modulation continued; suspensions; passing chords; unharmonic notes; organ point; harmonization of melodies; playing of figured bases; double chants, chorals. Three hours credit.

127e (128e) (129e). **Normal Art.** This course presents the teaching of art in the public schools not as "drawing" from a realistic point of view, but design and color as the basis of an art that is related to the industries with utility as the supreme test. Six hours credit.

9015e. **History of Art.** Recognizing the fact that many persons feel the need of direction in the study of art, the University Department of Art offers an outline covering a brief survey of the origin of art and of art of the different ages and countries, emphasizing a more careful study of the painting and sculpture of the various schools together with a bibliography and lists of illustrations and lantern slides. No credit.

9016e. **Color and Design Applied to the Modern Home.** This course will include a rapid review of historic furniture, the study of both design and color and their practical application to the problems and details of a home, with help in making the home of long standing more interesting, and with cuts that will help in the planning and furnishing of the new home. No credit.

### GEOLOGY

141e. **Meterology and Geography.** An elementary course dealing with the movements and work of the atmosphere, the causes of climatic conditions over the world, and the effects upon life that the climatic and physiographic features produce. Four hours credit.

142e (143e). **Physical Geology.** A study of the materials of the earth and changes that take place due to the action of the atmosphere, water, organic life, and internal forces. Eight hours credit.

231e. **Biology as Related to Geology.** An outline study of plants and animals with reference to their relationships, manner of development, and bearing on geology. Prerequisite: Geology 142 (143). Three hours credit.

232e (233e). **Historical Geology.** A study of the development of the earth from its origin to the present time with special reference to the life, physical conditions, and rock formations that mark each period of the earth's history. Prerequisite: Geology 142 (143) and 231. Six hours credit.



## GENERAL SCIENCE

11e. **Elementary Science.** General course embracing the elements of zoology, physics, botany, and zoology. One-half entrance unit.

## GERMAN

131e (132e) (133e). **Elementary Scientific German.** A brief study of the essentials of grammar, with a rapid reading of texts on a variety of subjects, such as chemistry physics, geology, mathematics, biology, agriculture, and engineering. Nine hours credit.

151e (152e) (153e). **Elementary German.** Grammar, composition, and reading of easy texts. Fifteen hours credit.

531e (532e) (533e). **Modern German Prose.** Reading of prose from nineteenth century authors such as Storm, Heys, Hauff, Baumbach, Freytag. Composition based on texts read. Prerequisite: German 151 (152) (153). Nine hours credit.

521e (522e) (523e). **German Composition.** A thorough review of grammar is attempted with a systematic introduction of new principles in composition. Prerequisite. German 151 (152) (153e). Six hours credit.

534e (535e) (536e). **Goethe and Schiller.** A study of the lives and selected works of these authors; collateral reading and reports. Prerequisite: German 521 (522) (523) and 531 (532) (533). Nine hours credit.

636e (637e). **Goethe.** This course is given with a view of acquainting students not versed in the language with Germany's greatest man of letters. Outlines on the life and principal works of the poet with assigned readings in translations. While counting for credit, this course may not be used to satisfy the foreign language requirement of twenty hours. Not open to freshmen. Six hours credit.

638e. **Schiller.** Intended to follow 636 (637) and will be conducted in the same manner, and for the same class of students. The life and works of Germany's most popular poet, second in greatness among the German poets only to Goethe, will form the bases of collateral reading. The friendship and the literary cooperation between the two poets will receive attention. Open to sophomores, juniors and seniors. Three hours credit.

## HISTORY AND POLITICAL SCIENCE

11e (12e). **American History.** This course is designed mainly to meet the needs of students who wish to make up an entrance unit to the University or to prepare for an examination for license, or to equip themselves better for teaching high school history. It is also adapted to the needs of a large number of people who do not expect to go to school any more, but desire a closer acquaintance with our country's history as a basis for a better understanding of the political and social questions of today. One entrance unit.

531e (532e) (533e). **History of the United States.** After a brief survey of the antecedents of the Revolution, a careful study will be made of the Confederation, the formation and adoption of the Constitution, the party developments, foreign relations, economic developments, and growth of nationalism and democracy. Special attention will be given to the gradual sectionalization of the country over slavery and state rights, the results of the Civil War and Reconstruction, the industrial and social development of recent times, the growth of democracy, the Great War, the part of the United States in it, and the peace settlement. Prerequisite: History 151 (152) or three years of history in high school. No credit for less than two terms. Nine hours credit.

631e. **History of Greece.** A course designed to give a more extensive knowledge of the history and institutions of the Greeks. A general knowledge of the subject is presumed. Prerequisite: Nine hours credit in history. Three hours credit.

632e. **History of Rome.** A course designed to give a more extension knowledge of the history and institutions of the Romans. A general knowledge of the subject is presumed. Prerequisite: Nine hours credit in history. Three hours credit.

34e. **Civil Government.** An elementary course describing our system of government from city to the nation. Students are encouraged to familiarize themselves with their local government. Topics from the text will be assigned for investigation. One-half entrance unit.

531e. **American National Government.** A basic course for more advanced work in government. Some attention will be given to the organization of our national government and to the work of the coordinate branches, but most emphasis will be laid upon the work of administration. Prerequisite: Six hours credit in history and political science. Three hours credit.

54e (55e). **Mediaeval and Modern History.** A general survey of the more important movements in history from the time of Charlemagne to the present day. One entrance unit.

56e (57e). **English History.** A high school course based on a standard text with outside readings. One entrance unit.

**Parliamentary Law.**

#### MATHEMATICS AND ASTRONOMY

55e (56e). **Beginners Course in Algebra.** One entrance unit.

154e. **Elementary Algebra.** A continuation of Mathematics 56e. Five hours credit.

151e (152). **Plane Geometry.** A collegiate treatment of plane geometry designed for students who have had no high school training in geometry. Ten hours credit.

155e. **Solid Geometry.** A course in solid geometry, designed primarily for students of general culture or for teachers who have completed plane geometry. Prerequisite: Mathematics 152. Five hours credit.

156e. **Plane Trigonometry.** A course in trigonometry, designed especially for students of general culture or for teachers who have completed plane geometry. Five hours credit.

157e. **College Algebra.** A course in college algebra, designed primarily for students who have completed beginner's and advanced algebra. Five hours credit.

234e (235e) (236e). **Analytic Geometry.** A course in analytic geometry designed primarily for students of general culture or for teachers who have completed elementary algebra and plane geometry. Prerequisite: Mathematics 156. Nine hours credit.

541e (542e) (543e). **Differential and Integral Calculus.** Prerequisite: Mathematics 154, 155, 156, and 235. Twelve hours credit.

534e. **Teaching and Secondary Mathematics.** A course designed for prospective high school and elementary school teachers. Prerequisite: Mathematics 154, 155, and 156. Three hours credit.

535e. (536e). **History of Mathematics.** A course designed especially for those who expect to make a specialty of mathematics. Prerequisite: Mathematics 236. Six hours credit.

### ASTRONOMY

141e. **The Astronomy of Physiography.** An elementary course dealing with those fundamentals of physiography which grow directly out of astronomy. This course is designed especially for students in the College of Education who are preparing to teach high school science. No knowledge of college mathematics is necessary for this course. Four hours credit.

151e (152e). **Elementary Descriptive Astronomy.** A longer course including a brief history of astronomy. A knowledge of college mathematics is not necessary. Ten hours credit.

**General Astronomy.** A study of the universe in which we live. Special attention is given to the sun, moon, stars, and meteors. The effect of each of these bodies on the earth is also considered. No credit.

### ROMANCE LANGUAGES

141e (142e) (143e). **Elementary French.** Grammar, composition, and reading. Twelve hours credit.

551e (552e) (553e). **French Prose and Poetry.** Composition, sight reading, syntax, and conversation; reading of representative works of modern French authors. Prerequisite: French 143. Fifteen hours credit.



554e (555e) (556e). **French Literature of the Seventeenth Century.** A general view of the classic period of French literature. The most important literary productions of the century will be read and analyzed. Prerequisite: French 553. Fifteen hours credit.

141e (142e) (143e). **Elementary Italian.** Grammar, composition, and reading. Twelve hours credit.

141e (142e) (143e). **Elementary Spanish.** Grammar, composition, and reading. Twelve hours credit.

531e (532e) (533e). **Advanced Spanish.** Syntax, composition, and reading of representative modern works. Prerequisite: Spanish 143e. Nine hours credit.

### College of Education

For additional courses see College of Arts and Sciences. Only technical courses are listed below:

Psychology 140 is a prerequisite for all other courses in Psychology, and Education 140 for all other courses in Education except Education 133.

#### PSYCHOLOGY

140e. **General Psychology.** An introduction to the field of general psychology dealing with the simpler aspects of mental life. The course is designed to ground the student in the fundamentals of the subject and to enable him to acquire a right attitude toward human behavior in general. Four hours credit.

142e. **Educational Psychology.** A consideration of the following topics of vital importance to teacher: source of interest, instincts, habits, moral training, memory, thinking, attention, imagination, and "transfer of training." Four hours credit.

230e. **Genetic Psychology.** An intensive study of the development of the mind from childhood to adolescence with a consideration of the arguments for and against the recapitulation theory. In studying the principles of child psychology a careful interpretation is made of influences in their bearing upon education in the home and in the school. Three hours credit.

240e. **Social Psychology.** A study of public opinion, custom, imitation, psychology of leadership, conflict, discussion, compromise, mob mind, social will, communication, and the crowd. This course will give an insight into present social problems by showing how consciousness has been developed in home, school, neighborhood, and society. Four hours credit.

231e. **Psychology of Adolescence.** A study of the important physical, mental, and moral changes, which are natural to adolescence, of special interest to all who have to deal with boys and girls of high school age. Atten-

tion will be given to laying the foundation for the pedagogy of secondary instruction. Three hours credit.

**243e. Psychology of Religion.** This course is presented from the standpoint of the growth of religious consciousness in the individual rather than in the race. The treatment is two-fold. After a thorough consideration of the various phases of conversion, the same topics are studied again as elements of a spontaneous religious development. Four hours credit.

### EDUCATION

**140e. History of Education.** Educational tendencies, rather than men, will be the content of this course. Stress will be laid upon the connection between educational theory and actual school work in the historical development. Four hours credit.

**132e. School Management.** Study of the qualifications of the teacher, grading and promotion, recitation, discipline, study and preparation, school incentive, and the school and the community, designed for prospective grade school teachers. Three hours credit.

**133e. Rural School Management.** This course is designated to make both the aim and methods of conducting a rural school very definite. It is designed especially for those rural teachers who have had little opportunity to see better schools than their own. The enrichment of the life of the country child will be kept in mind, and topics such as plays and games, study programs, agriculture in the school, and the problems relating especially to the rural school will be considered. Three hours credit.

**134e. School Hygiene.** Problems of school hygiene, including heating, lighting, and ventilation, school diseases and medical inspection of schools, and hygiene of various school activities. Three hours credit.

**130e. The Teaching Process.** This course deals with the scientific principles underlying teaching rather than with details of device and method. A careful study of this course should do much toward eliminating the waste of time and energy often involved in the work of the school. Three hours credit.

**250e. Principles of Secondary Education.** A course dealing with the development and nature of the secondary school as we have it today, and with the fundamental aims of secondary education; the relation of secondary education to elementary and higher education; causes of retardation and elimination of pupils; purpose and relative importance of the different subjects in the program of studies; the fundamental principles of organization and management in so far as they affect the work of the teacher. For prospective high school teachers. Prerequisite: 130, 131. Five hours credit.

**552e. Educational Administration.** This course is designed for principals and superintendents who wish a thorough survey of the field of supervision and administration. It deals with the organization and functions of school

committees, the duties and obligations of teachers, supervisors, principals and superintendents, the proper relation between school officials and various clubs and organizations of a semi-private nature, and of the cooperation necessary between schools and homes. Some attention will also be given to a comprehensive system of records and reports. Five hours credit.

236e. **Methods of Teaching Agriculture.** The methods and materials used in agricultural instruction will be considered under such heads as history of agricultural education; courses of study and lesson plans; laboratory and library organization and use; source of helps; project outlines and studies; logical and seasonal sequence; visual instruction. Three hours credit.

233e. **Principles of Teaching Applied to Trades Courses.** This course includes a careful study of the principles which underlie trade analysis, as well as a study of the fundamental principles underlying teaching and their special application to Industrial Education. Practical problems in trade analysis, courses of study, and the method of presentation of subject matter will form an essential part of the course. Three hours credit.

234e. **Organization and Management.** Careful consideration is given to the organization and administration of industrial classes under the Smith-Hughes Act. Questions of buildings, equipment, supplies, handling of classes, etc., will be discussed. Three hours credit.

### PHILOSOPHY

230e. **Logic.** The application of logic to the practical problems of every day life, including a careful study of inductive and deductive reasoning, with special reference to argumentation and debate. This course is designed to give a foundation for future philosophical study. Prerequisite: Psychology 140. Three hours credit.

231e. **Ethics.** This course, after some attention to the growth of ethics in history, will confine itself to helping the student acquire better methods of estimating and controlling conduct. Studies will be made of the moral problems that have confronted people from primitive times to the present, and of comparisons between individual and group morality. Prerequisite: Psychology 140. Three hours credit.

### HOME ECONOMICS

131e (132e) (133e). **Elementary Sewing.** A course designed to give ease in using and caring for sewing machines, in taking accurate measurements, and in adapting commercial patterns. It also includes the comparison and selection of materials for their appropriateness, as well as their economic value. Nine hours credit; one hour may be taken by correspondence on condition that the laboratory work is completed in residence.

523e (524e) (525e). **Elementary Cooking.** A study of the typical foods and their preparation with special reference to their nutritive value. Six



hours credit; three hours may be taken by correspondence on condition that the laboratory work is completed in residence.

**431e. Household Management.** This course is planned for mature students who are living at home and can use their home as a basis for study. The arrangements and decoration of the house for convenience and beauty, labor saving devices, organization of household, the planning of the budget, the expenditure of the income, and keeping accounts will be stressed. Prerequisite: Home Economics 331 (332) and 131 (132) (133). Three hours credit in the College of Education.

**341e. Home Economics Methods.** The treatment of methods for teaching foods and clothing. The work includes discussion of the development of the home economics movement, courses of study, current text books, the method of demonstration. Prerequisite: Home Economics 331 (332) (333) and 234 (235) (236) and Education 250 and 130. Three hours credit in the College of Education.

## College of Engineering

For additional courses see College of Arts and Sciences. Only technical courses are listed below.

### CIVIL ENGINEERING

**233e. Highways.** A study of the location, construction, and maintenance of common macadam and Telford roads; brick, stone, wood, asphalt, and bituminous pavements for city streets. Three hours credit.

**251e. Elementary Surveying.** Description of instruments used in field and office; exercises in land surveying; leveling and public land surveys; computation from field notes; mapping and theory of leveling. Prerequisite: Elementary Trigonometry. Five hours credit.

### ELECTRICAL ENGINEERING

**241e. Elements of Electrical Engineering.** A general introductory course in the study of electrical engineering, including demonstrations on electric and magnetic circuits and machines; measuring instruments, their use and calibration. Prerequisite: Physics 242. Four hours credit.

**331e. Illuminating Engineering.** A study of electric light wiring and the different methods of artificial illumination; sources, intensity, and distribution of light; physiological and hygienic problems; direct and indirect lighting; reflecting surfaces; illumination and photometric calculations. Prerequisite: Electrical Engineering 342. Three hours credit.

**434e. Telephony.** A study of the principal systems of telephony in practical use. Prerequisite: Electrical Engineering 241. Three hours credit.

431e. **Electrical Equipment of Power Plants.** Selection of electrical machinery for power stations; station construction; operation, and management. Five hours credit.

435e. **Telegraphy.** A study of the principal systems of wire and wireless telegraphy in practical use. Prerequisite: Electrical Engineering 241. Three hours credit.

101e. **Electrical Meters.** The construction, operation, maintenance, and testing of different forms of electrical meters. Credit given toward short course only. Three hours credit in short course.

501e. **Electrical Contracting.** Plans, specifications, estimates, bids. Credit given toward short course only. Three hours credit in short course.

### MECHANICAL ENGINEERING

121e (122e). **Mechanical Drawing.** Instruction in the selection, use and care of instruments, lettering, sketching, and working drawings. The latter half of this course is devoted to elementary descriptive geometry. Four hours credit on condition that course 123 is taken in residence.

232e. **Engines and Boilers.** An introductory study of engines, boilers, and auxiliaries, to familiarize the student with power plant equipment. Three hours credit in short course.

## College of Agriculture

Courses by correspondence will be offered by the College of Agriculture, but because of the practical impossibility of providing laboratory exercises or rather, of determining the value of such work, no credit will be given until the laboratory work has been taken in residence at the University.

For additional courses see the College of Arts and Sciences. Only technical courses are listed below..

### AGRONOMY

141e. **Agronomy.** A study of crops—cotton, corn, small grains, clovers, forage, and miscellaneous—including varieties, strains, quality, standardizations, the use of score cards, grading, identification of seed grasses, clovers, alfalfa, and other legumes and forage crops, weed seed, characteristic adulterants. Stress is placed upon the staple crops. Four hours credit; three hours may be taken by correspondence on condition that the laboratory work is completed in residence.

### ANIMAL HUSBANDRY

141e. **Farm Poultry Culture.** The principles of the following subjects will be studied in the order given: breeds, housing, feeding, breeding, incubation and brooding, poultry products, diseases, and management. Four hours credit;

three hours may be taken by correspondence on condition that the laboratory is completed in residence.

**242e. Judging Types and Market Classes.** Practice in scoring types and market classes of sheep, swine, cattle, and horses, using the score cards, followed by comparative judging. Four hours credit; one hour may be taken by correspondence on condition that the laboratory work is completed in residence.

**241e. Farm Dairying.** A study of composition of milk, causes of variation in composition, abnormal milk and its causes, bacteria in milk products, the lactometer, milk adulteration, Babcock testing, milk separation, farm butter making, handling milk products on the farm. Prerequisite: Chemistry 143. Four hours credit; one hour may be taken by correspondence on condition that the laboratory work is completed in residence.

### BACTERIOLOGY

**Rural Sanitation.** This is a reading course which deals with the sanitary surroundings of the home and of the school, the disposal of sewage and of other waste materials, the water and milk supply, ventilation, and the evils which result from unsanitary conditions in general. Persons who wish to inform themselves along these lines will find this course very instructive. No credit.

### ENTOMOLOGY

**Household Insects.** Reading matter is selected with the aim of bringing into the homes of people unable to attend college information dealing with the various insect pests that annoy the housekeeper. No credit.

### HOME ECONOMICS

#### Courses for Credit in the College of Agriculture

**131e (132e) (133e). Elementary Sewing.** A course designed to give ease in using and caring for sewing machines, in taking accurate measurements and in adapting commercial patterns. It also includes the comparison and selection of materials for their appropriateness, as well as their economic value. Nine hours credit; one hour may be taken by correspondence on condition that the laboratory work is completed in residence.

**523e (524e) (525e). Elementary Cooking.** A study of the typical foods and their preparation with special reference to their nutritive value. Six hours credit; three hours may be taken by correspondence on condition that the laboratory work is completed in residence.

For additional courses in Home Economics see College of Education.

### HORTICULTURE

**141e. Plant Propagation and Culture.** A study of the methods employed



in reproducing and multiplying plants, seedage, graftage, construction and management of hotbeds and cold frames, and general nursery and garden practices. Four hours credit; two hours may be taken by correspondence on condition that the laboratory work is completed in residence.

**244e. Fruit Growing and Landscape Gardening.** A study of the principles of fruit growing and landscape gardening, manipulation of plants, planning and planting the orchard, garden and home grounds, management and care of lawns and production; arrangement, and care of plants for outside home decoration. Four hours credit; two hours may be taken by correspondence on condition that the laboratory work is completed in residence.

#### GENERAL EXTENSION ACTIVITIES OF SPECIAL INTEREST TO SCHOOLS

**Lantern Slides and Motion Pictures.** By cooperating with the large corporations, bureaus and departments of the United States Government, the General Extension Division can now supply clubs, schools and communities with thousands of slides and many motion picture reels, either for instruction or entertainment. Lecture outlines accompany many of the sets of slides.

Fine sets of slides on travel, including "Seeing America," South America, the Islands of the Sea, Alaska, Mexico, Cuba, Holland, Italy, Russia, Sweden, Spain, Scotland, Switzerland, China, India, Japan, Korea, Algiers, Egypt and South Africa are available, as well as some very good sets of agriculture and other technical subjects. These slides are ideal to use at any school or church for free entertainment on the club program or for agriculture, history, geography or English classes in the local high school. No rent is charged, but the express must be paid by the borrower. This is very little because of the circuit plan of routing.

**Talking Machine Records.** Through the University School of Music the General Extension Division offers to farmers' clubs, women's societies, churches and schools, sets of the best talking machine records, making up complete programs which are accompanied by lecture material.

**Plays and Recitations.** In order to assist teachers, club women and dramatic societies to secure good plays with little expense, the General Extension Division will furnish some of the best plays available for amateur use and other information which will help in working up dramatics. A number of plays are usually lent for a short period from which the local committee can make a selection and order the copies from the publisher to be used in producing the play. A number of recitations are also available. In borrowing plays and recitations for examination the only cost will be the return postage.

**Package Libraries—Debating Societies.** Packages of material which are a great help in working up papers or debates will be lent. These package libraries contain material on certain groups of special subjects and some on present day questions. Clubs, societies and individuals are urged to use these package libraries and whenever possible organize a debating society for public discussion. In borrowing package libraries the only cost will be return postage.

**Extension Lectures.** An Extension Lecture Bureau is maintained. Through

this bureau the General Extension Division arranges for lectures to be given by prominent professional men, ministers, state officials and university professors, on a wide range of subjects. These lectures are technical, informational, and inspirational and suited for the programs of organizations, such as women's clubs, business men's leagues and other associations, as well as for institutes, conventions, commencement exercises and holiday programs. Lectures in most cases do not charge a fee, but with few exceptions their expenses must be paid.

**Lyceum Courses.** The winter lecture or lyceum course is an educational feature in which every one is especially interested and following the example of all the large universities, the General Extension Division proposes to furnish school men or local committees with lecture course talent for next season at cost. In doing this the General Extension Division will simply get an option on a number of dates for professional concert companies and entertainers and will act as a clearing house for these dates. In this way much can be saved on the cost of the local lecture course.

Dealing in talent is a legitimate business for the University.

**General Information.** If you want any information on science, engineering, education, literature, or art, write the General Extension Division. If there is any one at the University, in the State or Nation who can answer your questions we will be glad to put you in touch with them. This service is free to individuals as well as clubs, civic societies or public boards.

Address all communications to the Director, General Extension Division, University of Arkansas.

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## ACTIVITIES OF THE GENERAL EXTENSION DIVISION

1. CORRESPONDENCE COURSES, in high school, collegiate, or business branches.
2. READING COURSES for busy people.
3. CLUB STUDY, designed to help clubs and societies with their programs.
4. CLASS STUDY, in technical or cultural subjects conducted at points distant from the University.
5. EXTENSION LECTURES, single or in series, technical, informational or popular.
6. LYCEUM COURSES, of concerts and entertainments and lectures.
7. MOTION PICTURES, and lantern slides lent with lecture material.
8. TALKING MACHINE RECORDS, making up complete programs sent out on circuits.
9. PLAYS AND RECITATIONS, furnished to help in working up programs.
10. DEBATING HELPS, through packages of material on timely questions.
11. COMMUNITY INSTITUTES, designed to awaken public consciousness to the community needs.
12. GENERAL INFORMATION BUREAU, to act as a clearing house and secure information of all kinds for residents of the State.

"FOR A GREATER ARKANSAS"



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